

APPENDIX

English Translation of Paragraph 0009 of Murakami

[0009]

Fig. 2 is a block diagram showing a second example of the invention. For all pixels on the screen, data for sensitivity correction that corresponds to aperture values of the camera lens 1 is recorded in a storage device 6. Sensitivity correction data corresponding to each pixel is selected in synchronous with a synchronization signal 13 for data correction which is output from a synchronization signal generator 10 and which is synchronized with each pixel. For example, by counting a number of pulses of a horizontal transfer register driving signal and that of a vertical transfer register driving signal, a position of a pixel from which a video is currently output is confirmed; the gain control amplifiers 5a, 5b and 5c are adjusted based on its correction data; and sensitivities of the solid-state imaging elements 3a, 3b and 3c are corrected. Thereby, a sensitivity unevenness of each pixel due to variation in position shift with respect to a photodiode opening of an on-chip microlens. As a result, phenomenon such as color irregularity and color shading in the synthesized signal of the three solid-state imaging elements can be solved.